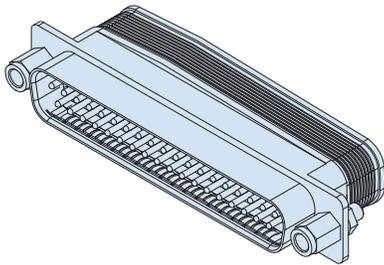


280-107 combo cable pin connectors with standard mounting flange, integral banding platform and crimp termination



Combo HiPer-D® Combo-D connectors, with integral banding platform, feature size #20 signal contacts and size #8 power or coax contacts. **Size #8 contacts are ordered separately.** The HiPer-D® features a rugged machined aluminum shell and wire grommet for environmental protection. Size #20 contacts are packaged with connector. Terminate contacts with crimp tools purchased separately. Glass-reinforced thermoset epoxy insulators, copper alloy retention clips. Fluorosilicone rear grommet meets IP67 immersion requirement. 1000 VAC, 7.5 Amps (#20), up to 40 Amps with size #8 power contacts.

B

| How To Order | | | | | | |
|---------------------------------------|--|----------|--|-----------------|--|----------|
| Sample Part Number | 280-107 | P | 4S37 | ME | G | S |
| Basic Part Number | 280-107 | | | | | |
| Contact | P = Pin | | A = Less contact | | | |
| Shell Size-Contact Arrangement | Contact arrangements are shown in the adjacent table | | | | | |
| Shell Finish | ME = Electroless Nickel Over Aluminum | | MT = Nickel-PTFE Over Aluminum | | | |
| | Z1 = Passivated Stainless Steel | | ZM = Nickel Over Stainless | | JF = Yellow Chromate Over Cadmium | |
| Ground Option | G = EMI/Grounding | | | N = None | | |
| Hardware Options | N = No Hardware (ø.120 Through Hole) | | P = Female Jackpost (for Cable Mounting Only) | | | |
| | L = Low Profile Hex Head Captive Jackscrew | | K = Slot Head Extended Jackscrew | | | |
| | S = Hex Head Captive Screwlock | | T = Slot Head Extended Captive Screwlock | | | |

| Mating Hardware | |
|---|---|
| N Thru-Hole No Hardware | P Female Jackpost |
| | |
| S Captive Screwlock, Hex Head | L Captive Jackscrew, Hex Head |
| | |
| K Slot-Head Extended Jackscrew | T Slot-Head Extended Captive Screwlock |
| | |

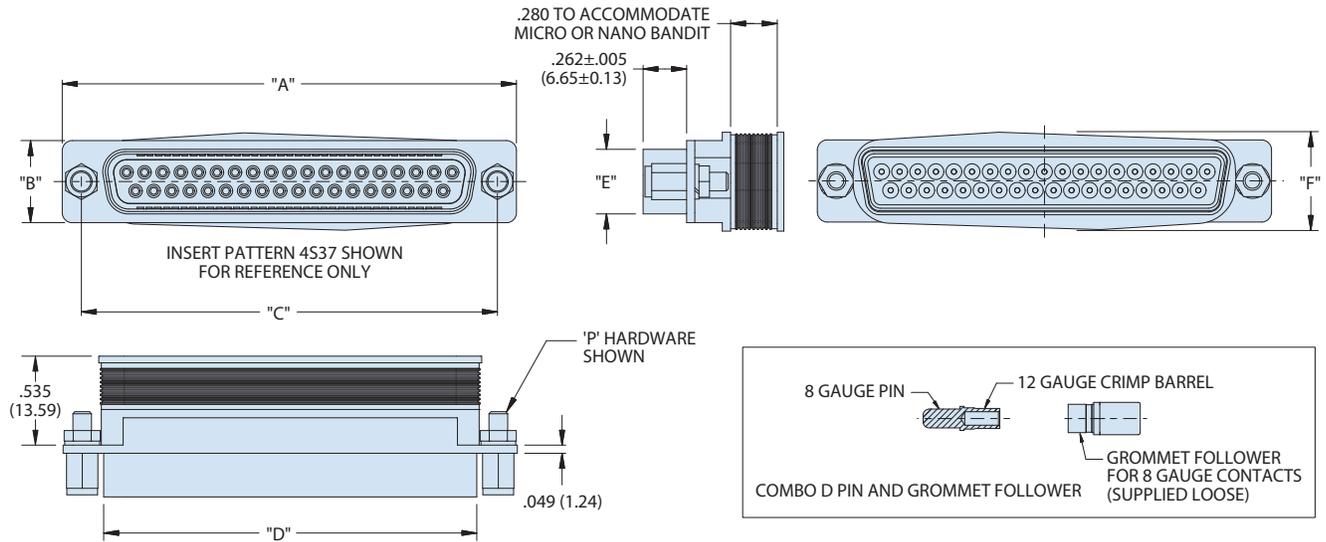
| Shell Size | Contact Arrangements | | | |
|------------|----------------------|------------------|---------------------|----------|
| | Combo D Arrangement | | Hiper D Arrangement | |
| | Layout | Contact Quantity | Layout | Quantity |
| 1 | -2P2 | 2#8 | 1S9 | 9 #20 |
| | -5P1 | 4#20, 1#8 | 1H15 | 15#22 |
| 2 | -3P3 | 3 #8 | 2S15 | 15#20 |
| | -7P2 | 5#20, 2#8 | 2H26 | 26#22 |
| -11P1 | 10#20, 1#8 | | | |
| 3 | -5P5 | 5 #8 | 3S25 | 25#20 |
| | -9P4 | 5#20, 4#8 | 3H44 | 44#22 |
| | -13P3 | 10#20, 3#8 | | |
| | -17P2 | 15#20, 2#8 | | |
| | -21P1 | 20#20, 1#8 | | |
| -8P8 | 8 #8 | 4S37 | | |
| 4 | -13P6 | 7#20, 6#8 | 4H62 | 62#22 |
| | -17P5 | 12#20, 5#8 | | |
| | -21PA4 | 17#20, 4#8 | | |
| | -25P3 | 22#20, 3#8 | | |
| | -27P2 | 25#20, 2#8 | | |
| | -24P7 | 17#20, 7#8 | | |
| 5 | -36P4 | 32#20, 4#8 | 5H78 | 78#22 |
| | -43P2 | 41#20, 2#8 | | |
| | -47P1 | 46#20, 1#8 | | |
| 6 | | | 6H104 | 104#22 |

| Specifications | |
|---------------------------------|----------------------------|
| Current Rating | #20 7.5 AMPS, #8 40 AMPS |
| Test Voltage | 1000 VAC RMS |
| Insulation Resistance | 5000 megohms min @ 500 VDC |
| Operating Temperature | -65° C. to +200° C. |
| Ingress Protection | IP 67 |
| Shock | 300 g. |
| Vibration, Random | 43.92 g. |
| Dielectric Withstanding Voltage | 1000 VOLTS |

| Materials and Finishes | |
|------------------------|--------------------------------|
| Shell | How to Order table |
| Contacts | Copper alloy/ gold over nickel |
| Inserts | Thermoset epoxy |
| Retention Clips | Copper alloy |
| Grommet, O-ring | Fluorosilicone/N.A. |
| Hardware | 300 series stainless steel |

280-107 combo cable pin connectors with standard mounting flange, integral banding platform and crimp termination

280-107 DIMENSIONS



B

| | | Dimensions | | | | | | | | | | | | Contact P/N |
|------------|----------------|------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|---------------|
| Shell Size | Insert Pattern | "A" ±.015 | | "B" ±.015 | | "C" ±.005 | | "D" ±.005 | | "E" ±.005 | | "F" ±.005 | | |
| | | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | |
| 1 | SD 9 | 1.213 | 30.81 | 0.494 | 12.55 | 0.984 | 24.99 | .726 | 18.44 | .389 | 9.88 | .620 | 15.75 | M39029/64-369 |
| | HD 15 | | | | | | | | | | | | | M39029/58-360 |
| 2 | SD 15 | 1.541 | 39.14 | 0.494 | 12.55 | 1.312 | 33.32 | 1.054 | 26.77 | .389 | 9.88 | .620 | 15.75 | M39029/64-369 |
| | HD 26 | | | | | | | | | | | | | M39029/58-360 |
| 3 | SD 25 | 2.088 | 53.04 | 0.494 | 12.55 | 1.852 | 47.04 | 1.594 | 40.49 | .389 | 9.88 | .620 | 15.75 | M39029/64-369 |
| | HD 44 | | | | | | | | | | | | | M39029/58-360 |
| 4 | SD 37 | 2.729 | 69.32 | 0.494 | 12.55 | 2.5 | 63.50 | 2.242 | 56.95 | .389 | 9.88 | .620 | 15.75 | M39029/64-369 |
| | HD 62 | | | | | | | | | | | | | M39029/58-360 |
| 5 | SD 50 | 2.635 | 66.93 | 0.605 | 15.37 | 2.406 | 61.11 | 2.139 | 54.33 | .501 | 12.73 | .730 | 18.54 | M39029/64-369 |
| | HD 78 | | | | | | | | | | | | | M39029/58-360 |
| 6 | HD 104 | 2.729 | 69.32 | 0.668 | 16.97 | 2.5 | 63.50 | 2.272 | 57.71 | .563 | 14.30 | .795 | 20.19 | M39029/58-360 |

NOTES

1. See [About Series 28 HiPer-D® Shell Plating Options](#) for additional shell material and finish options. Glenair offers the industry's widest selection of plating options with no minimum order quantities or setup charges.
2. For panel cutouts, refer to [Panel Cutouts and Printed Circuit Board Footprints](#).
3. Connectors are supplied with size #20 crimp contacts per M39029. Contacts are not installed. Refer to [HiPer-D® Contacts and Tools](#) section for contact part numbers, specifications, crimp tool information, and insertion/extraction tools.
4. **Size 8 contacts are ordered separately.** Refer to [HiPer-D® Contacts and Tools](#) section for contact ordering information, specifications, crimp tool information, and insertion/extraction tools.
5. Combo HiPer-D® connectors meet the applicable requirements of MIL-DTL-24308 and are intermateable with standard non-environmental D Subminiature connectors with corresponding contact arrangements and type. **Size 8 contacts from other manufacturers cannot be installed in HiPer-D® connectors.**
6. Additional electrical, mechanical and environmental specifications are listed in [HiPer-D® Product Specification](#).